

IN THE CLAIMS:

The following list of claims replaces any prior listing of claims:

1. (currently amended) A muffler ~~comprising~~ comprising:
a casing ~~within which are comprising~~ gas inlet chamber communicating with a gas inlet, a
~~gas chamber and a gas outlet, characterized in that~~ chamber communicating with a gas outlet;
a pressure sensor member; and
a throttling device is located ~~in a gas flow route between the inlet and outlet of the~~
muffler and controlled by pressure of the gas flow, wherein a cross sectional area of the gas flow
of the throttling device reduces when pressure of the gas flow increases.
2. (currently amended) The muffler according to claim 1, wherein the throttling
device controlled by pressure of the gas flow is a pressure reducing valves structure.
3. (currently amended) The muffler according to claim 2, wherein the pressure
reducing valves structure ~~includes~~ comprises an adjusting device and a throttling member.
4. (currently amended) The muffler according to claim 3, wherein the adjusting
device comprises a manual adjusting device, a spring, ~~an energy~~ the pressure sensor member and
a connection lever which are connected in series.
5. (previously presented) The muffler according to claim 1, wherein the throttling
device comprises an open and close member and a fixture.

6. (currently amended) The muffler according to claim 1, wherein the throttling device comprises an open and close member and a fixture; and wherein the structure of the open and close member is characterized in that a cross sectional area of its first surface subjecting to gas pressure from the gas inlet is larger than a cross sectional area of its second surface that is positioned opposite to the first surface and ~~exposes to~~positioned within the gas outlet chamber.

7. (currently amended) The muffler according to claim 4, wherein the throttling member comprises an open and close member and a fixture; and wherein the structure of the open and close member is characterized in that a cross sectional area of its first surface subjecting to gas pressure from the gas inlet is larger than a cross sectional area of its second surface that is positioned opposite to the first surface and ~~exposes to~~positioned within the gas outlet chamber.

8. (currently amended) The muffler according to claim 4, wherein the ~~energy~~ pressure sensor member is a diaphragm, a piston or a bellows.

9. (previously presented) The muffler according to claim 7, wherein the connection lever of the adjusting device is connected with the second surface of the open and close member.

10. (currently amended) The muffler according to claim 9, wherein the ~~energy~~ pressure sensor member is a diaphragm, a piston or a bellows.

11. (currently amended) The muffler according to claim 10, wherein a spring chamber is connected with the gas outlet chamber; wherein the spring and a part of the manual adjusting device are located within the spring chamber; and wherein the spring chamber comprises a balancing hole communicating with the atmosphere.

12. (previously presented) The muffler according to claim 7, wherein gas flow discharged from the gas outlet is continuous, stable and without pulsation.

13. (previously presented) The muffler according to claim 11, wherein gas flow discharged from the gas outlet is continuous, stable and without pulsation.

14. (currently amended) The muffler according to claim 1, wherein the ~~muffler comprises a pressure sensor member which is connected with~~ is coupled to the gas outlet chamber and the throttling device and senses being controlled by the pressure of the muffled gas flow.

15. (currently amended) The muffler according to ~~claim 14~~ claim 1, wherein the pressure sensor member ~~senses the pressure of muffled gas flow in the outlet chamber or any place downstream in the gas flow route of the outlet chamber~~ is a diaphragm, a piston or a bellows and coupled to the casing.

16. (currently amended) The muffler according to claim 14, wherein the pressure sensor member is a diaphragm, a piston or a bellows and coupled to the casing.

17. (currently amended) The muffler according to ~~claim 15~~ claim 1, wherein the ~~pressure sensor member is a diaphragm, a piston or a bellows~~ muffler comprises a spring which is connected with the combination of the pressure sensor and the throttling device.

18. (previously presented) The muffler according to claim 14, wherein the muffler comprises a spring which is connected with the combination of the pressure sensor member and the throttling device.

19. (previously presented) The muffler according to claim 15, wherein the muffler comprises a spring which is connected with the combination of the pressure sensor member and the throttling device.

20. (previously presented) The muffler according to claim 16, wherein the muffler comprises a spring which is connected with the combination of the pressure sensor member and the throttling device.

21. (currently amended) The muffler according to ~~claim 18~~ claim 17, wherein the spring is connected with the pressure sensor.

22. (currently amended) The muffler according to ~~claim 18~~ claim 17, wherein the other end of the spring is connected with the casing.

23. (previously presented) The muffler according to claim 21, wherein the other end of the spring is connected with the casing.

24. (previously presented) The muffler according to claim 22, wherein a manual adjusting device connects other end of the spring and the casing.

25. (previously presented) The muffler according to claim 22, wherein the part of casing which is connecting the spring form a spring chamber.

26. (previously presented) The muffler according to claim 24, wherein the part of casing which is connecting the spring form a spring chamber.

27. (previously presented) The muffler according to claim 25, wherein the spring chamber comprises a balancing hole communicating with the atmosphere.

28. (new) The muffler according to claim 1, further comprising a partition having an aperture defined therein, wherein the partition is coupled to the casing and defines the gas inlet chamber and the gas outlet chamber.

29. (new) The muffler according to claim 28, wherein the throttling device comprises an open and close member having a connection lever coupled thereto, the open and close member is coupled to the pressure sensor member using the connection lever and is positioned substantially within the aperture of the partition.

30. (new) The muffler according to claim 28, further comprising a fixture coupled to the partition and positioned adjacent the aperture.